

**REMARKS/ARGUMENTS**

The Applicants originally submitted Claims 1-20 in the application. In the present response, the Applicants have amended Claims 1 and 11 to more clearly define the invention and place the claims in a better condition for appeal. No other claims have been amended, canceled or added. Accordingly, Claims 1-20 are currently pending in the application.

**I. Formal Matters and Objections**

The Examiner has objected to the specification asserting that the title is not descriptive of the invention. In response, the Applicants have amended the title to more clearly reflect the claimed invention, a buck converter. Accordingly, the Applicants respectfully request the Examiner to withdraw the objection to the title.

**II. Rejection of Claims 1-20 under 35 U.S.C. §102**

The Examiner has rejected Claims 1-20 under 35 U.S.C. §102(b) as being anticipated by U.S. Patent No. 6,081,432 to Rinne, *et al.* The Applicants respectfully disagree since Rinne does not teach a buck converter with multiple outputs including a primary output and at least one auxiliary output, including producing a first DC output voltage at the primary output employing a magnetizing inductance associated with a transformer as an inductor and further producing a second DC output voltage at the auxiliary output via an output inductor coupled to a secondary winding of the transformer as recited in independent Claims 1 and 11.

Rinne is directed to active reset forward converters that employ synchronous rectifiers. (See column 1, lines 9-10.) Rinne discloses a circuit 100 that includes a main power switch 102 for

connecting an input DC voltage source 101 to a primary winding 103 of a transformer 104. (See column 3, lines 5-8; column 5, lines 26-31; Figure 3 and Figure 5.) The circuit 100 does not, however, produce a first DC output voltage at a primary output and a second DC output voltage at an auxiliary output as recited in independent Claims 1 and 11. On the contrary, circuit 100 has a single DC output (output terminals 113 and 114) for providing a DC output voltage via an inductor 111 and a capacitor 112 coupled to the secondary winding 107 of the transformer 104. (See column 3, lines 17-21; column 5, lines 26-31; Figure 3 and Figure 5.) Thus, Rinne does not teach a buck converter with multiple outputs including a first DC output and a second DC output as recited in Claims 1 and 11.

The Examiner asserts that a junction between a reset voltage source 106 and the primary winding 103 of the transformer 104 in Rinne may be a primary output. (See Examiner's Final Rejection, page 3.) As argued in the previous response, the Applicants respectfully disagree. However, even assuming that the junction between the reset voltage source 106 and the primary winding 103 is a primary output, Rinne does not teach producing a DC output at the junction employing a magnetizing inductance associated with the transformer as an inductor. On the contrary, the reset voltage source 106 provides a reset voltage across the primary winding 103 of the transformer 104 when the main power switch 102 is off and the reset switch 105 is on. (See column 1, lines 37-48; column 3, lines 5-12; column 5, lines 26-31; Figure 3 and Figure 5.) Thus, instead of employing the magnetizing inductance of the transformer 104 as an inductor to produce a DC voltage at the junction when the main power switch 102 is off, the reset voltage source 106 provides a DC voltage for the primary winding 103 of the transformer 104. Rinne, therefore, does not teach

producing a first DC output voltage at a primary output employing a magnetizing inductance associated with a transformer as an inductor as recited in amended Claims 1 and 11.

As such, Rinne does not disclose each and every element of the claimed invention and as such, is not an anticipating reference of amended independent Claims 1 and 11 and Claims dependent thereon. Accordingly, the Applicants respectfully request the Examiner to withdraw the \$102 rejection with respect to Claims 1-20 and allow issuance thereof.

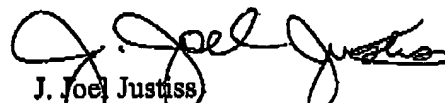
### III. Conclusion

In view of the foregoing amendment and remarks, the Applicants now see all of the Claims currently pending in this application to be in condition for allowance and therefore earnestly solicit a Notice of Allowance for Claims 1-20.

The Applicants request the Examiner to telephone the undersigned attorney of record at (972) 480-8800 if such would further or expedite the prosecution of the present application.

Respectfully submitted,

HITT GAINES, PC

  
J. Joel Justiss  
Registration No. 48,981

Dated: 7/5/05

P.O. Box 832570  
Richardson, Texas 75083  
(972) 480-8800